2|3

Manufacturers
Data
Base

MC0025

Windows and composite infill panels

Windows and infill panels

Department of Health
and Social Security
January 1973

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2

Introduction

3 General Introduction

This 1973 Edition of the MDB incorporates some changes suggested by the users.

Feedback from the users can materially assist the Department's monitoring functions. Forms for this purpose will be available.

Technical Document

The Technical Document for each component (see list on back cover) gives component descriptions, dimensional ranges and coding, and advises on selection and use.

Product Specification

The Product Specifications will be supplied by each of the selected manufacturers. A folder will be supplied for each range of components described in the Technical Documents. Manufacturers will send approved MDB information direct to the users. This will include descriptions of performance, details of junctions with adjoining components, drawings or photographs and the fixing and maintenance services offered, sufficient for a user to make a choice of manufacturers in his area. This detailed information should be checked again at tender stage.

Price List

The Price List for each component range gives prices obtained from each manufacturer, the terms and conditions under which these prices have been obtained and the method of measurement. This is a confidential document and will be supplied only to users of the components.

Use and Index

The Use and Index is the key document giving information about the other documents and the use of the system. Part of the Use and Index will be a list of the name, address, telephone number and customer contacts of each of the selected manufacturers.

Service Document

The Service Document is primarily intended for the Main Contractor and gives information about the service he will get from and be required to provide to the selected manufacturer.

Colour Coding

Technical Documents have BLUE covers.

Product Specifications have YELLOW covers.

Price Lists have RED covers.

Component Introduction

4

This document describes WINDOWS & COMPOSITE INFILL UNITS generally suitable for Health and Welfare buildings.

In the following sections the WINDOWS & COMPOSITE INFILL UNITS are described in detail.

In Use and Index it is stressed that successful use of co-ordinated components depends on:-

1 Orderly selection to ensure functional compatibility.

2 Acceptance of dimensional conventions for the incorporation of components in both design and production stages.

3 Definition of junctions within these dimensional conventions so that standard co-ordinated components can always be used.

MDB components have been selected on this basis and the MDB. range offers functionally suitable components which are compatible with adjoining components.

Data given in this document is applicable to all selected components in this category. It is supplemented by manufacturers details given in their product specifications.

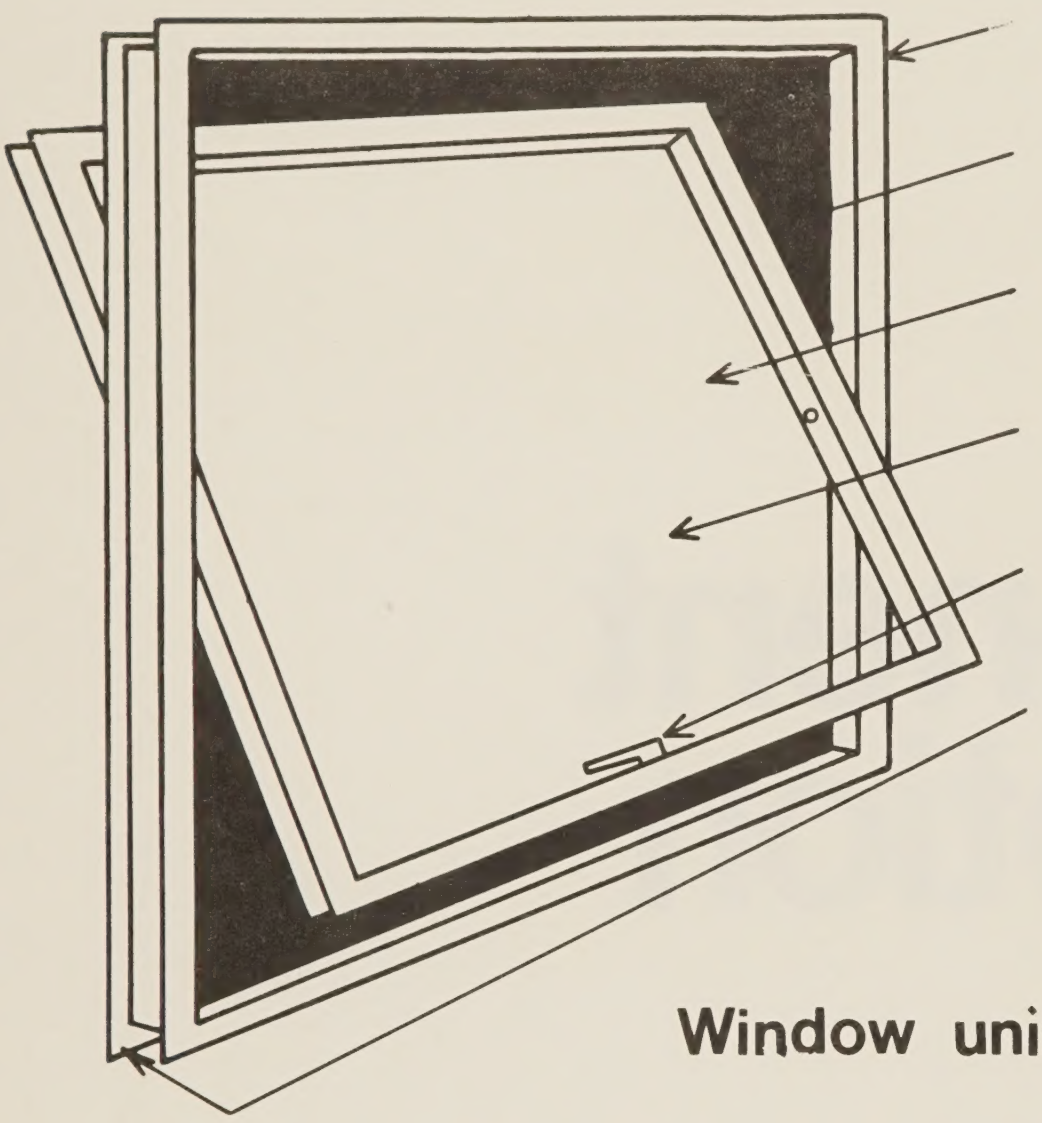
The coding used is part of a data co-ordination system based on the CI/SfB system.

5

Component Description

6 Windows description

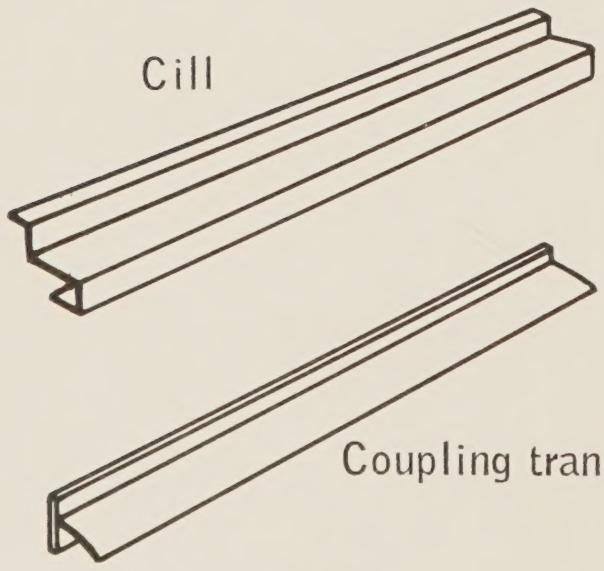
A complete window unit comprises

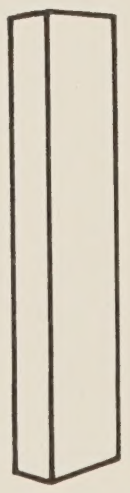

Window Frame
Fixed or opening light
Single or double Glazing (where applicable)
Venetian blind (where applicable)
Ironmongery
All necessary lugs and screws for fixing.

Window unit

The following components are available for use with windows

Coupling mullion





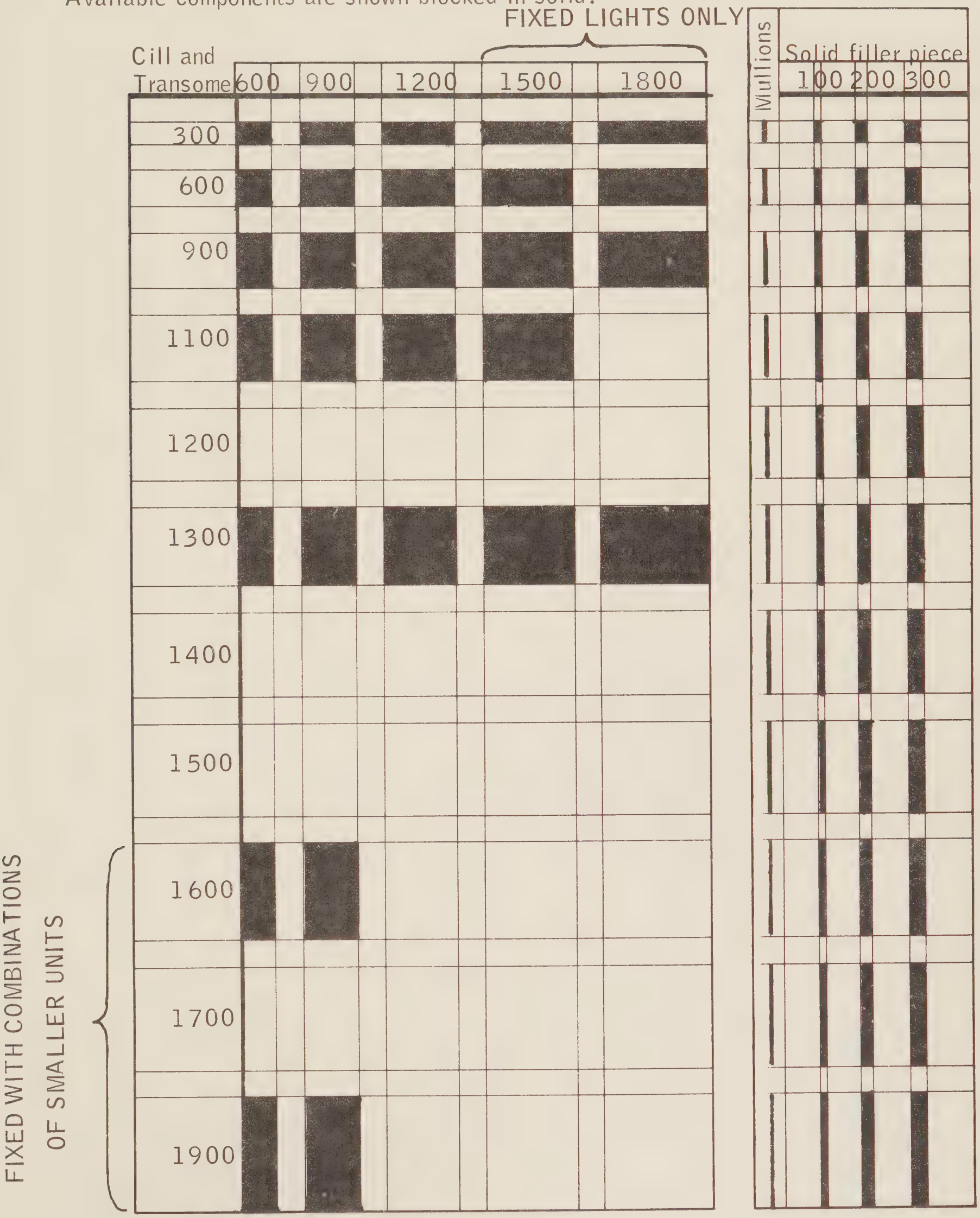
Solid filler piece

Component accessories

Dimensional discipline windows

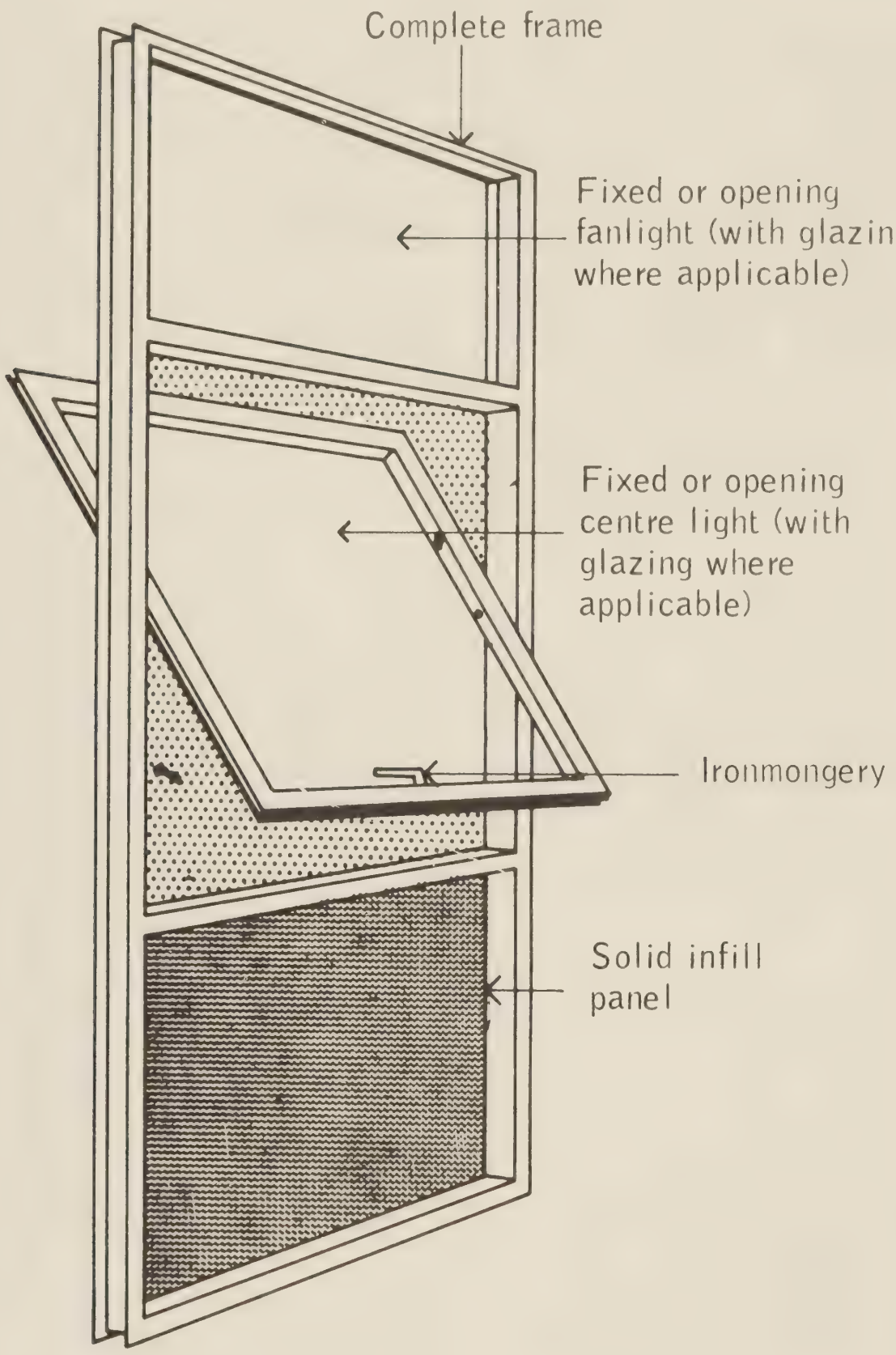
7

Windows and associated mullions, transomes, cills and solid filler pieces manufactured to following horizontal and vertical control dimensions.
Available components are shown blocked in solid.

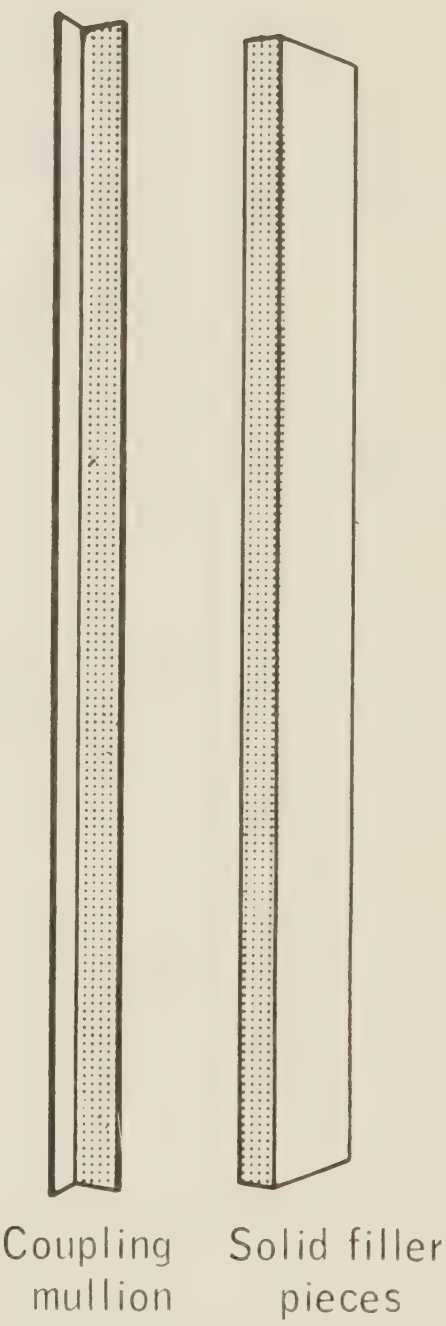


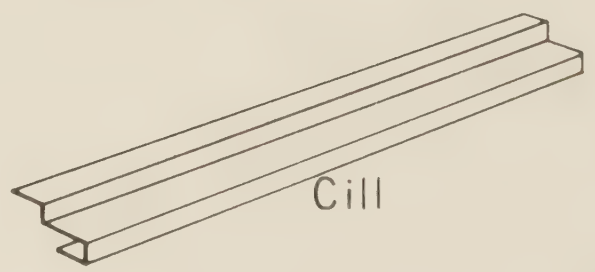
8 Composite infill unit description

A complete composite infill unit comprises:


Complete frame
Fixed or opening fanlight (with glazing where applicable)
Fixed or opening centre light (with glazing where applicable)
Ironmongery
Solid infill panel

Typical unit

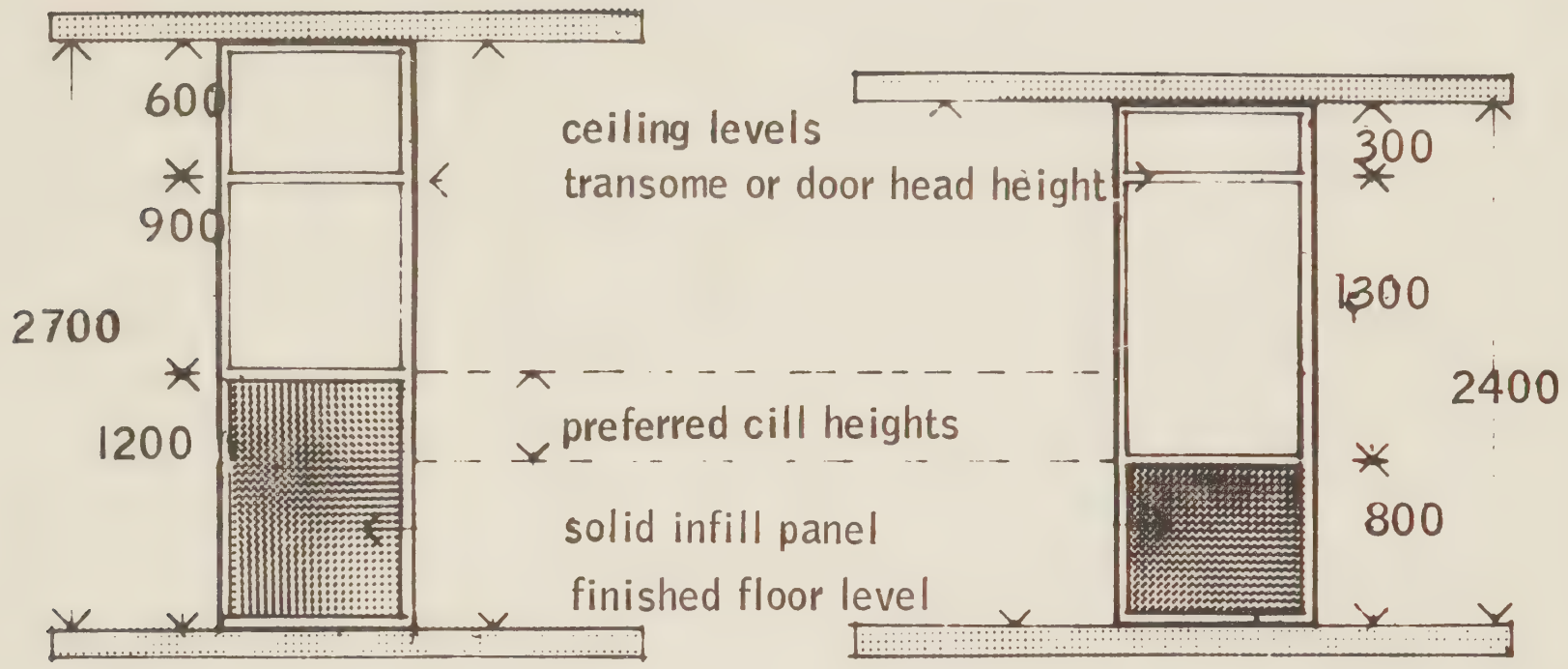




The above components are available for use with the composite infill units.

Component accessories

Dimensional discipline composite infill units



VERTICAL CONTROL DIMENSION

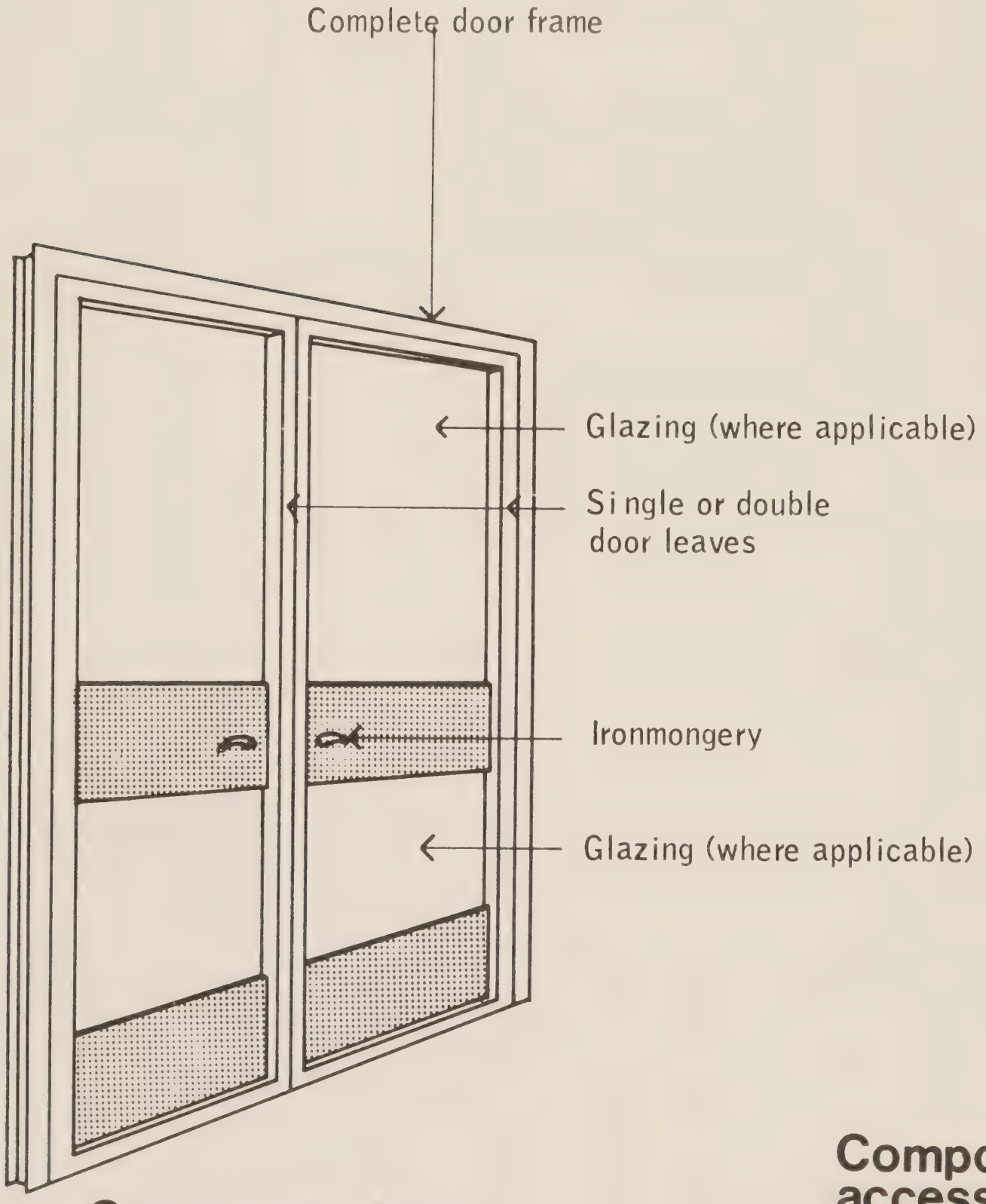
Standard mullions	Solid Filler Pieces				Composite infill Units			
	Height	Width			Width			
		100	200	300	300	600	900	1200
	2400							
	2700							

DIMENSIONAL DISCIPLINE

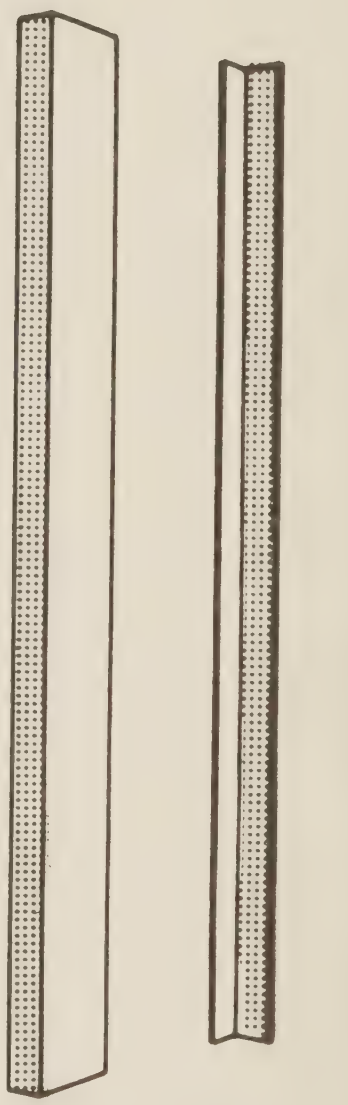
Available units are shown blocked in solid.
All dimensions are in millimetres.

10 External doors description

A complete external casement door comprises:



Casement door



Component accessories

The above components are available for use with the external casement doors.

Dimensional discipline external doors

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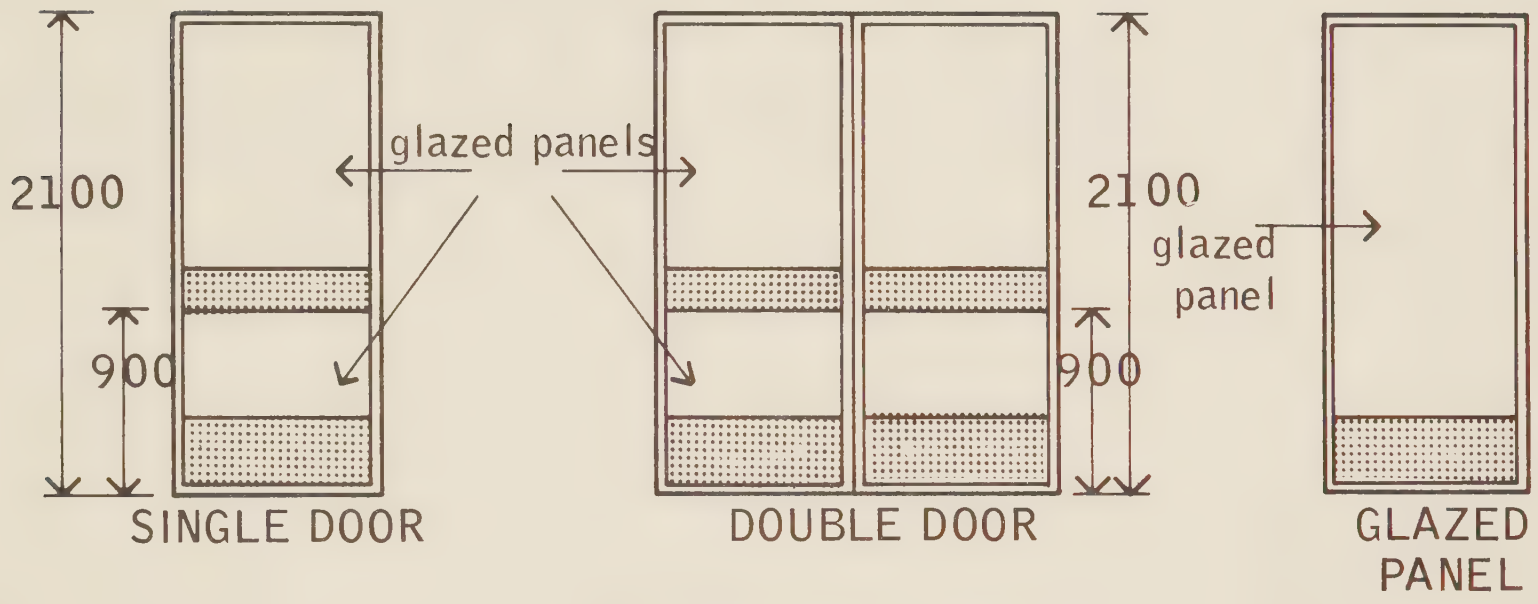


Casement doors

Horizontal and vertical control dimensions. Available units are shown blocked in solid. All dimensions are in millemetres.

Standard mullions	External Casement Doors			Solid Filler pieces			Glazed Panel	
	Height	Single door	Double door					
		900	1800	100	200	300	900	1200
	2100							
	2400							
	2700							

Dimensional discipline

12

Performance standards

1·1
Penetration of air and gases.

Windows are designed to comply with tests as laid down by the Agrement Board, Methods of Assessment and Testing Number 1 1967.

1·2
Window and Composite Infill Units are designed to perform successfully when subjected to changes in temperature between -20 degrees Centigrade and +45 degrees Centigrade, and changes in relative humidity between 30% and 90%.

1·3
Water Penetration.

Windows and Composite Infill Units are designed to comply with Agrement Methods of Testing and Assessment Number 1 and Agrement information sheet Number 1.

1·4
Allowance is made for the egress of condensation

1·5
Strength Properties.

Windows are designed to to conform with methods of testing for strength properties in accordance with methods laid down by the Agrement Board.

1·6
All working parts of a Window are capable of performing not less than 700 complete cycles of operation for each year of their maintenance free life.

1·7
Thermal Transmission.

For double glazed windows, the overall transmittance coefficient does not exceed 3.6 watts per degree celcius per square metre of window area.

1·8
Sound Transmission

Single glazed windows provide a minimum sound reduction of 20 decibels.

Double glazed windows provide minimum sound reduction of 30 decibels over the total window area.

1·9
The window frames and infill units provide a minimum surface spread of flame classification of Class 1.

1·10
The opening lights of all windows and composite infill units are designed to force perameters which allow for ease of operation.

1·11
Windows and composite infill units are designed so as not to be openable from the outside, without the use of special tools.

For detailed information, the User should refer to Manufacturers Product Specification.

13

Use

14 Use selection

The following selection sequence is suggested. It relates to the use of the coded information on the pages as shown.

item	selection sequence	choice	page
1	Determine required window unit, composite window/infill unit or external casemement door.	(a) Steel window range (b) Aluminium windowrange (c) Steel composite panel range (d) Aluminium composite panel range (e) Steel external doors range (f) Aluminium external door range	6-11
2	Select width and height of the units.	Range as above	6-11
3	Select required type of window opening (single glazed, double galzed with venetian blind, double glazed hermetically sealed)	(a) Fixed light (b) Top hung (c) Side hung (left or right) (d) Horizontal centre hung (e) Vertical pivot hung (left or right) (f) Vertical slider	20-41
4	Select external casement door(s) (Fully glazed, left or right hand door swing.)	(a) Single door assembly (b) Double door assembly	42
5	Select width and height of filler pieces	Appropriate range and height 100, 200 and 300mm wide.	46-47
6	Select finish of assembly	(a) Glavanised steel (b) Aluminium mill finish (c) Aluminium anodised (d) Aluminium acrylic finish	20-41
7	Select type of glass for glazing	(a) Clear glass (b) Anti-glare glass.	

Use function

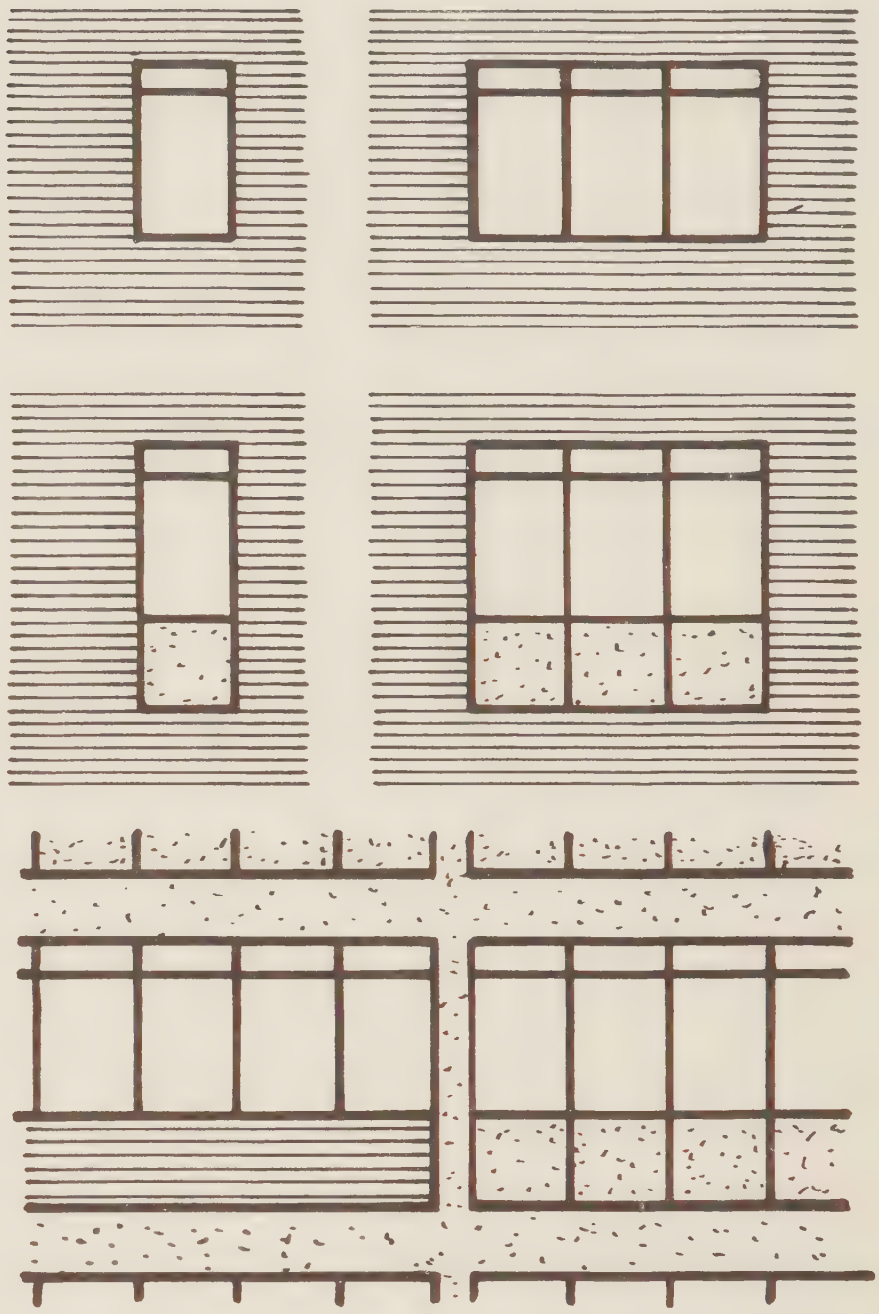
Windows and composite infill units can be used singly or in combination to provide a range of preferred sizes and types of units for various conditions and locations.

The units can be fitted to :

(a) isolated openings in solid walling either as single units or in combination

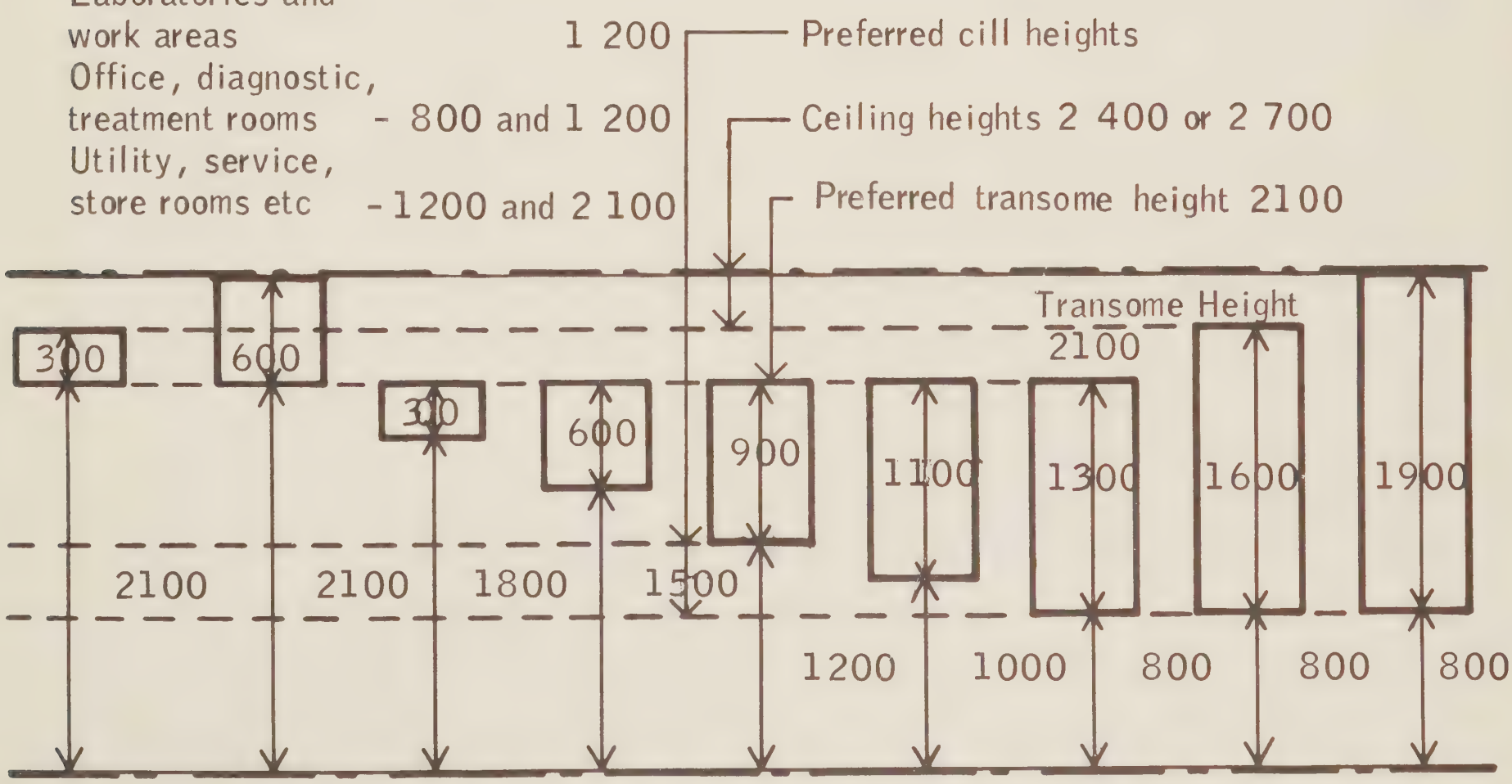
(b) continuous bands of units in the same plans as the structural columns

- Within the structure (see illustration)
- external to the structure (not shown)
- internal to the structure (not shown)



Preferred cill heights for various departmental functions are suggested as follows :

In-patient areas	- 800 and 1 200
Laboratories and work areas	1 200
Office, diagnostic, treatment rooms	- 800 and 1 200
Utility, service, store rooms etc	-1200 and 2 100



Vertical control dimensions

16 Use detail; controlling grids

Health Service Design Note No 5 "Co-ordination of components for Health Buildings and Space Data" gives information about the horizontal and vertical controlling dimensions and the location of components.

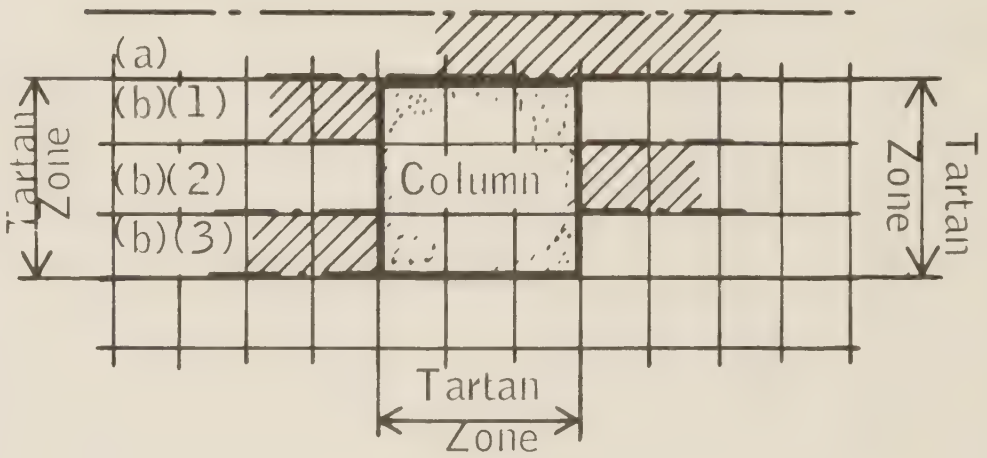
This section brings together some of the details in Note No 5 with the data on windows, composite infill units and external casement doors.

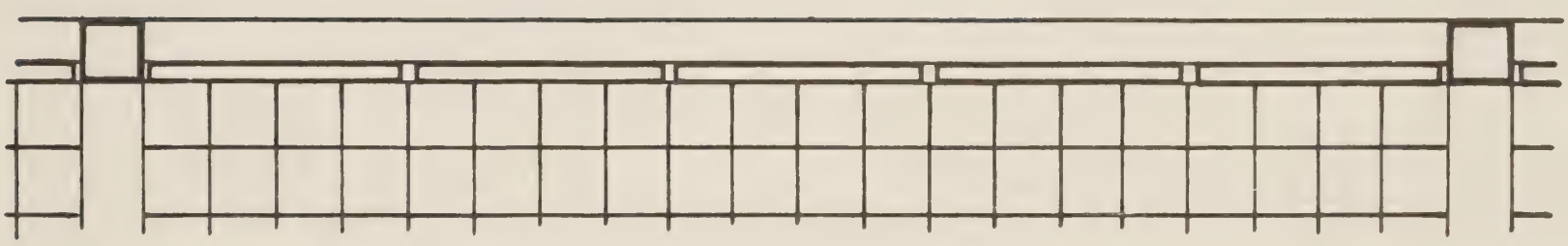
Design stage

The following figures illustrate typical relationships when windows, composite infill units and filler pieces are located

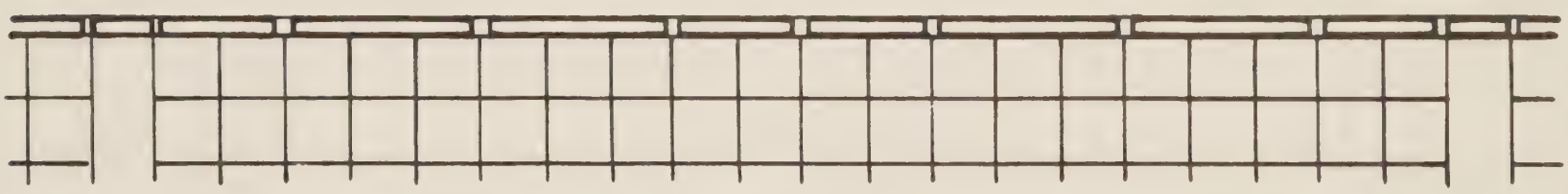
(a) outside the structure, or,
(b) within the tartan zone in the following position :

(1) In the outermost position
(2) In the intermediate position
(3) In the inner position



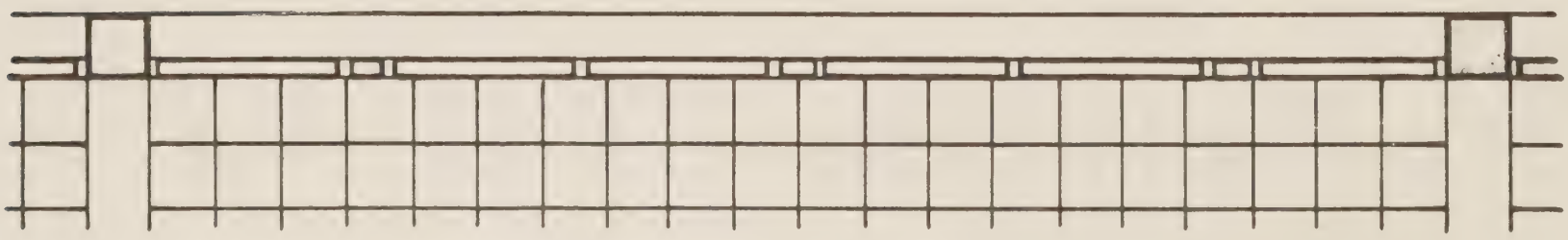


Units within tartan zone between columns



Units outside structure.

structural filler pieces at tartan zone



Units within tartan zone between colums:

filler pieces within an assembly.

Use detail

All windows, composite infill units, external casement doors, transomes, cills, mullions and filler pieces are coded. The detail of codes and the full range available is shown on pages 46 et seq.

It is recommended that at the design sub-system in conjunction with room data sheets, information on the windows, infill units and external casement doors is fully coded.

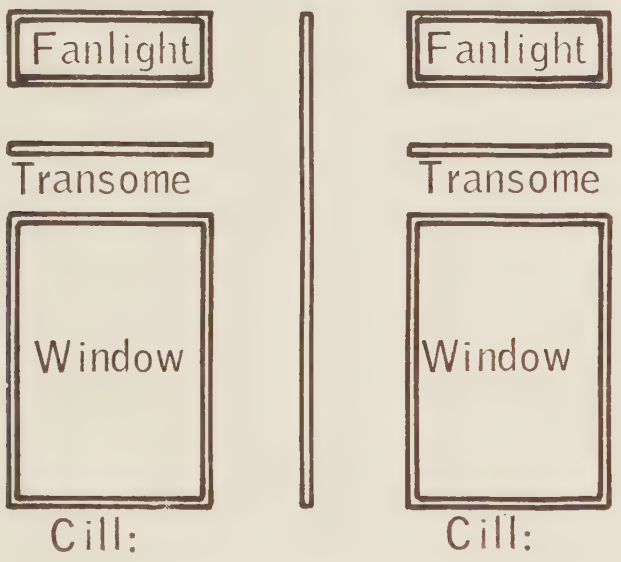
Where windows and fanlights are coupled together, vertically and horizontally, as shown in the sketch, the codes are indicated on the plan in the following manner

1. The fanlight code

2. The window code

3. The cill code

Production documentation



3IBEAK
3IDEEK
3IRAED

3IBEAK
3IDEEK
3IRAED - (alternatively, if one long cill is preferred, it could be coded with a single code: 3I RAHD)

The transome is supplied automatically when the fanlight code is shown above the window code with a ling drawn between them. Cill and mullion are coded separately.

18

Selection

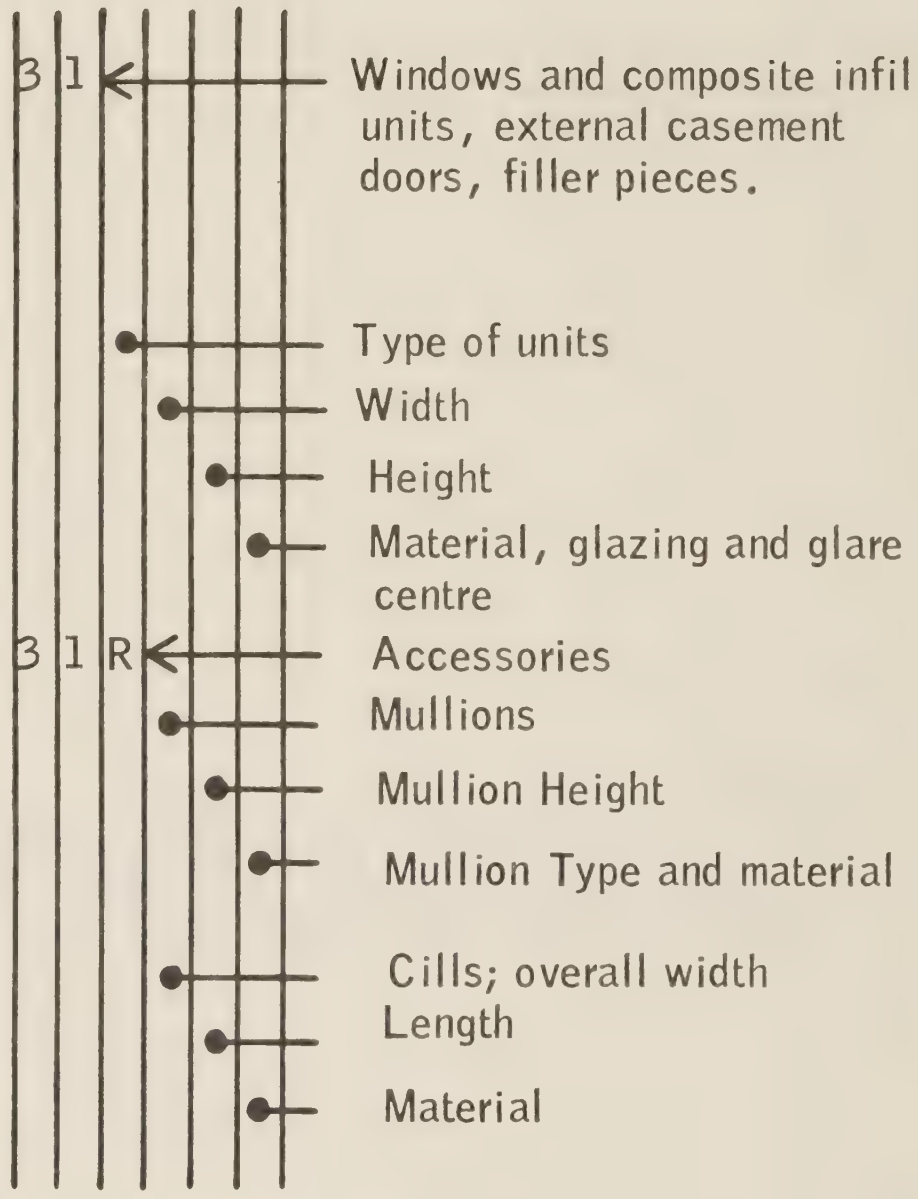
19

Coding conventions

The coding for all assemblies is based on two figures followed by four letters with the exception of solid filler pieces which are two figures followed by three letters. The figures are SFB numbers (e g 31AAAA) Each letter of the four letters has a different meaning by the place it occupies.

The following pages show codes relevant to the type, finish etc of windows, composite infill units, external casement doors and associated filler pieces, mullions and cills.

All available assemblies, components, etc, are coded. No code is given against an assembly or component which is not on offer.



The table is shown for information purposes only.
No attempt should be made to extend the range of coded items.

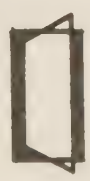
Steel window units

20

Steel window units to receive single glazing.

type	height	width				
		600	900	1200	1500	1800
Fixed light	300 600 900 1100 1300	31ADAF 31ADBF 31ADCF 31ADDF 31ADEF	31AEAF 31AEBF 31AECF 31AEDF 31AEEF	31AGAF 31AGBF 31AGCF 31AGDF 31AGEF	31AHAF 31AHBF 31AHCF 31AHDF 31AHEF	31AIAF 31AIBF
Top hung	300 600 900 1100 1300	31BDAF 31BDBF 31BDCF	31BEAF 31BEBF 31BECF 31BEDF 31BEEF	31BGAF 31BGBF 31BGCF 31BGDF 31BGEF		
Side hung Left hand	900 1100 1300	31VDCF 31VDDF 31VDEF				
Side hung Right hand	900 1100 1300	31CDCF 31CDDF 31CDEF				
Horizontal centre hung	600 900 1100 1300	31DDBF	31DEBF 31DECF 31DEDF 31DEEF	31DGBF 31DGCF 31DGDF 31DGEF	NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz., 31EEDF (LH) 31EGDF (RH)	
Vertical pivot hung	900 1100 1300		31EEDF 31EEEF	31EGCF 31EGDF 31EGEF		

21 Steel window units for double glazing

Steel window units for double glazing for HERMETICALLY SEALED GLASS UNITS						
type	**height**	**width**				
		600	900	1200	1500	1800
Fixed light	300 600 900 1100 1300	31ADAH 31ADBH 31ADCH 31ADDH 31ADEH	31AEAH 31AEBH 31AECH 31AEDH 31AEEH	31AGAH 31AGBH 31AGCH 31AGDH 31AGEH	31AHAH 31AHBH 31AHCH 31AHDH 31AHEH	31AIAH 31AIBH
Top hung	300 600 900 1100 1300	31BDAH 31BDBH 31BDCH	31BEAH 31BEBH 31BECH 31BEDH 31BEEH	31BGAH 31BGBH 31BGCH 31BGDH 31BGEH		
Side hung left hand	900 1100 1300	31VDCH 31VDDH 31VDEH				
Side hung right hand	900 1100 1300	31CDCH 31CDDH 31CDEH				
Horizontal centre hung	600 900 1100 1300	31DDBH	31DEBH 31DECH 31DEDH 31DEEH	31DGBH 31DGCH 31DGDH 31DGEH		
Vertical pivot hung 	900 1100 1300		31EEDH 31EEEH	31EGCH 31EGDH 31EGEH		

NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz., 31EEDM (RH), 31EGDH (LH)

Steel window units

22

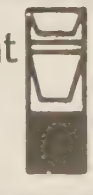
Steel window units complete with DOUBLE GLAZING and VENETIAN BLIND						
type	**height**	**width**				
		600	900	1200	1500	1800
Fixed light	1100		31AECI 31AEDI	31AGCI 31AGDI	31AHCI 31AHDI	
	1300		31AEEI	31AGEI	31AHEI	
Horizontal centre hung	900		31DECI	31DGCI		
	1100		31DEDI	31DGDI		
	1300		31DEEI	31DGEI		
Vertical pivot hung	900			31EGCI		
	1100		31EEDI	31EGDI		
	1300		31EEEI	31EGEI		

NOTE: Vertical pivot hung windows are availabe left or right hand. The handing should be shown outside the code, viz., 31EEDI(LH), 31EGDI(RH)

23

steel composite infill units

Steel composite infill units for SINGLE GLAZING

type	width	height			
		2400mm		2700mm	
Solid unit	300 600 900 1200	21BCEA 21BDEA 21BEEA 21BGEA		21BCGA 21BDGA 21BEGA 21BGGA	
Solid unit with fixed fanlight 2100mm cill height.	900 1200	31GEMF 31GGMF		31GEVF 31GGVF	
Solid unit with top hung fanlight 2100mm cill height.	900 1200	31NEMF 31NGMF		31NEVF 31NGVF	
Glazed unit with fixed fanlight 300mm cill height.	900 1200	31HELF 31HGLF		31HEUF 31HGUF	
		800mm cill	1200 cill	800mm cill	1200mm cill
Fixed fanlight fixed centre light	900 1200	31HEPF 31HGPF	31HENF 31HGNF	31HEXF 31HGXF	31HEWF 31HGWF
Top hung fanlight fixed centre light	900 1200	31PEPF 31PGPF	31PENF 31PGNF	31PEXF 31PGXF	31PEWF 31PGWF
Fixed fanlight top hung centre light	900 1200		31IENF		31IEWF
Top hung fanlight top hung centre light 	900 1200		31QENF		31QEWF
Fixed fanlight HCH centre light	900 1200	31KEPF 31KGPF	31KENF 31KGNF	31KEXF 31KGXF	31KEWF 31KGWF
Top hung fanlight HCH centre light	900 1200	31SEPF 31SGPF	31SENF 31SGNF	31SEXF 31SGXF	31SEWF 31SGWF

Aluminium window units mill finish

Mill finish Aluminium SINGLE GLAZED window units complete with clear glass

type	height	width				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300 600 900 1100 1300 1600 1900	31ADAK 31ADBK 31ADCK 31ADDK 31ADEK	31AEAK 31AEBK 31AECK 31AEDK 31AEEK	31AGAK 31AGBK 31AGCK 31AGDK 31AGEK	31AHAK 31AHBK 31AHCK 31AHDK 31AHEK	31AIAK 31AIBK
Top hung	300 600 900 1100	31BDAK 31BDBK 31BDCK	31BEAK 31BEBK 31BECK 31BEDK	31BGAK 31BGBK		
Side hung left hand	900 1100 1300	31VDCK 31VDDK 31VDEK				
Side hung right hand	900 1100 1300	31CDCK 31CDDK 31CDEK				
Horizontal centre hung	600 900 1100 1300	31DDBK	31DEBK 31DECK 31DEDK 31DEEK	31DGBK 31DGCK 31DGDK 31DGEK		
Vertical pivot hung	900 1100 1300		31EEDK 31EEEK	31EGCK 31EGDK 31EGEK		
Vertical sliding	900 1100 1300 1600 1900	31FDEK	31FECK 31FEDK 31FEEK 31FEYK 31FEZK	31FGCK 31FGDK 31FGEK 31FGYK 31FGZK		
Horizontal sliding	900 1300			31LGCK 31LGEK		31JLCK 31JLEK

NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz.,

31EEDK (LH)
31EGDK (RH)

25 Aluminium window units mill finish

Mill finish Aluminium window units complete with ANTI-GLARE GLASS						
type	**height**	**width**				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300	31ADAL	31AEAL	31AGAL	31AHAL	31AIAL
	600	31ADBL	31AEBL	31AGBL	31AHBL	31AIBL
Top hung	300	31BDAL	31BEAL	31BGAL		
	600	31BDBL	31BEBL	31BGBL		

Mill finish Aluminium DOUBLE GLAZED window units with VENETIAN BLINDS.						
Fixed light	900		31AECN	31AGCN	31AHCN	
	1100		31AEDN	31AGDN	31AHDN	
	1300		31AEEN	31AGEN	31AHEN	
Horizontal centre hung	900		31DECN	31DGCN		
	1100		31DEDN	31DGDN		
	1300		31DEEN	31DGEN		
Vertical pivot hung	900			31EGCN		
	1100		31EEDN	31EGDN		
	1300		31EEEN	31EGEN		

NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz, 31EEDN (RH), 31EGDN (LH)

Aluminium window units mill finish

26

DOUBLE-GLAZED window units complete with HERMETICALLY SEALED GLASS.

type	height	width				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300 600 900 1100 1300 1600 1900	31ADAM 31ADBM 31ADCM 31ADDM 31ADEM	31AEAM 31AEBM 31AECM 31AEDM 31AEEM	31AGAM 31AGBM 31AGCM 31AGDM 31AGEM	31AHAM 31AHBM 31AHCM 31AHDM 31AHEM	31AIAM 31AIBM
Top hung	300 600 900 1100	31BDAM 31BDBM 31BDCM	31DEAM 31BEBM 31BECM 31BEDM	31BGAM 31BGBM		
Side hung Left hand	900 1100 1300	31VDCM 31VDDM 31VDEM				
Side hung Right hand	900 1100 1300	31CDCM 31CDDM 31CDEM			NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside code, viz: 31EEDK. (LH) 31EGDK (RH)	
Horizontal centre hung	600 900 1100 1300	31DDBM	31DEBM 31DECM 31DEDM 31DEEM	31DGBM 31DGCM 31DGDM 31DGEM		
Vertical pivot hung	900 1100 1300		31EEDM 31EEEM	31EGCM 31EGDM 31EGEM		
Vertical sliding	900 1100 1300 1600 1900	31FDEM	31FECM 31FEDM 31FEEM 31FEYM 31FEZM	31FGCM 31FGDM 31FGEM 31FGYM 31FGZM		
Horizontal sliding	900 1300					

27 Aluminium composite infill units mill finish

Mill finish Aluminium SOLID and SINGLE GLAZED (clear glass) composite infill units.					
type	**width**	**height**			
		2400		**2700**	
	mm.				
Solid unit	300	21BCEB		21BCGB	
	600	21BDEB		21BDGB	
	900	21BEEB		21BEGB	
	1200	21BGEB		21BGGB	
Solid unit with fixed fanlight 2100mm cill height	900	31GEMK		31GEVK	
	1200	31GGMK		31GGVK	
Solid unit with top hung fanlight 2100mm cill height	900	31NEMK		31NEVK	
	1200	31NGMK		31NGVK	
Glazed unit with fixed fanlight 300mm cill height	900	31HELK		31HEUK	
	1200	31HGLK		31HGUK	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900	31HEPK	31HENK	31HEXK	31HEWK
	1200	31HGPK	31HGNK	31HGXK	31HGWK
Top hung fanlight fixed centre light	900	31PEPK	31PENK	31PEXK	31PEWK
	1200	31PGPK	31PGNK	31PGXK	31PGWK
Fixed fanlight top hung centre light	900				
	1200		31IENK		31IEWK
Top hung fanlight top hung centre light	900		31QENK		31QEWK
	1200				
Fixed fanlight HCH centre light	900	31KEPK	31KENK	31KEXK	31KEWK
	1200	31KGPK	31KGNK	31KGXK	31KGWK
Top hung fanlight; HCH centre light	900	31SEPK	31SENK	31SEXK	31SEWK
	1200	31SGPK	31SGNK	31SGXK	31SGWK
Fixed fanlight. Vertical sliding centre light	900	31MEPK	31MENK	31MEXK	31MEWK
	1200	31MGPK	31MGNK	31MGXK	31MGWK
Top hung fanlight. Vertical sliding centre light.	900	31UEPK	31UENK	31UEXK	31UEWK
	1200	31UGPK	31UGNK	31UGXK	31UGWK
Fixed fanlight. Horizontal sliding Centre light.	1200	31IJGPK	31JGNK	31JGXK	31JGWK

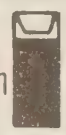
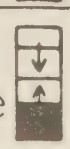
Aluminium composite infill units mill finish

Mill finish Aluminium SINGLE GLAZED units with centre lights complete with clear glass and fanlight in ANTI-GLARE GLASS

type	width	height			
		2400		2700	
Solid unit					
Solid unit with fixed fanlight 2100mm cill height	900 1200	3IGEMP 3IGGMP		3IGEVP 3IGGVP	
Solid unit with top hung fanlight 2100mm cill height	900 1200	3INEMP 3INGMP		3INEVP 3INGVP	
Glazed unit with fixed fanlight 300mm cill height	900 1200	3IHELP 3IHGLP		3IHEUP 3IHGUP	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	3IHEPP 3IHGPP	3IHENP 3IHGNP	3IHEXP 3IHGXP	3IHEWP 3IHGWP
Top hung fanlight fixed centre light	900 1200	3IPEPP 3IPGPP	3IPENP 3IPGNP	3IPEXP 3IPGXP	3IPEWP 3IPGWP
Fixed fanlight top hung centre light	900 1200		3IIENP		3IIEWP
Top hung fanlight top hung centre light	900 1200		3IQENP		3IQEWP
Fixed fanlight HCH centre light	900 1200	3IKEPP 3IKGPP	3IKENP 3IKGNP	3IKEXP 3IKGXP	3IKEWP 3IKGWP
Top hung fanlight HCH centre light	900 1200	3ISEPP 3ISGPP	3ISENP 3ISGNP	3ISEXP 3ISGXP	3ISEWP 3ISGWP
Fixed fanlight . Vertical sliding centre light .	900 1200	3IMEPP 3IMGPP	3IMENP 3IMGNP	3IMEXP 3INGXP	3IMEWP 3IMGWP
Top hung fanlight . Vertical sliding centre light .	900 1200	3IUEPP 3IUGPP	3IUENP 3IUGNP	3IUEXP 3IUGXP	3IUEWP 3IUGWP
Fixed fanlight . Horizontal sliding centre light .	1200	3IJGPP	3IJGNP	3IJGXP	3IJGWP

29 Aluminium composite window units mill finish

Mill finish Aluminium complete with HERMETICALLY SEALED DOUBLE GLAZING

type	height	width			
		2400		2700	
Solid unit	300 600 900 1200				
Solid unit with fixed fanlight 2100mm cill height	900 1200	31GEMM 31GGMM		31GEVM 31GGVM	
Solid unit with top hung fanlight 2100mm cill height 	900 1200	31NEMM 31NGMM		31NEVM 31NGVM	
Glazed unit with fixed fanlight 300mm cill height	900 1200	31HELM 31HGLM		31HEUM 31HGUM	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	31HEPM 31HGPM	31HENM 31HGNM	31HEXM 31HGXM	31HEWM 31HGWM
Top hung fanlight fixed centre light	900 1200	31PEPM 31PGPM	31PENM 31PGNM	31PEXM 31PGXM	31PEWM 31PGWM
Fixed fanlight top hung centre light	900 1200		31IENM		31IEWM
Top hung fanlight top hung centre light	900 1200		31QENM		31QEWM
Fixed fanlight HCH centre light	900 1200	31KEPM 31KGPM	31KENM 31KGNM	31KEXM 31KGXM	31KEWM 31KGWM
Top hung fanlight HCH centre light	900 1200	31SEPM 31SGPM	31SENM 31SGNM	31SEXM 31SGXM	31SEWM 31SGWM
Fixed fanlight. Vertical sliding centre light 	900 1200	31MEPM 31MGPM	31MENM 31MGNM	31MEXM 31MGXM	31MEWM 31MGWM
Top hung fanlight. Vertical sliding centre light	900 1200	31UEPM 31UGPM	31UENM 31UGNM	31UEXM 31UGXM	31UEWM 31UGWM
Fixed fanlight. Horizontal sliding centre light	1200	31JGPM	31JGNM	31JGXM	31JGWM

Aluminium window units anodised finish

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Anodised finish Aluminium SINGLE GLAZED window units complete with clear glass.

type	height	width				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300 600 900 1100 1300 1600 1900	31ADAQ 31ADBQ 31ADCQ 31ADDQ 31ADEQ	31AEAQ 31AEBQ 31AECQ 31AEDQ 31AEEQ	31AGAQ 31AGBQ 31AGCQ 31AGDQ 31AHEQ	31AHAQ 31AHBQ 31AHCQ 31AHDQ	31AIAQ 31AIBQ
Top hung	300 600 900 1100	31BDAQ 31BDBQ 31BDCQ	31BEAQ 31BEBQ 31BECQ 31BEDQ	31BGAQ 31BGBQ		
Side hung left hand	900 1100 1300	31VDCQ 31VDDQ 31VDEQ				
Side hung right hand	900 1100 1300	31CDCQ 31CDDQ 31CDEQ				
Horizontal centre hung	600 900 1100 1300	31DDBQ	31DEBQ 31DECQ 31DEDQ 31DEEQ	31DGBQ 31DGCQ 31DGDQ 31DGEQ		
Vertical pivot hung	900 1100 1300		31EEDQ 31EEEQ	31EGCQ 31EGDQ 31EGEQ		
Vertical sliding	900 1100 1300 1600 1900	31FDEQ	31FECQ 31FEDQ 31FEEQ 31FEYQ 31FEZQ	31FBCQ 31FGDQ 31FGEQ 31FGYQ 31FGZQ		
Horizontal sliding	900 1300			31LGCQ 31LGEQ		31LICQ 31LIEQ

NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz.,

31EEDK (LH)
31EGDK (RH)

31 Aluminium window units anodised finish

Anodised finish Aluminium window units complete with ANTI-GLARE GLASS						
type	**height**	**width**				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300	31ADAR	31AEAR	31AGAR	31AHAR	31AIAR
	600	31ADBR	31AEBR	31AGBR	31AHBR	31AIBR
Top hung	300	31BDAR	31BEAR	31BGAR		
	600	31BDBR	31BEBR	31BGBR		

Anodised finish Aluminium DOUBLE GLAZED window units with VENETIAN BLINDS						
Fixed light	900		31AECT	31AGCT	31AHCT	
	1100		31AEDT	31AGDT	31AHDT	
	1300		31AEET	31AGET	31AHET	
Horizontal centre hung	900		31DECT	31DGCT	NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside of code, e.g. 31EEDN (RH)	
	1100		31DEDT	31DGDT		
	1300		31DEET	31DGET		
Vertical pivot hung	900			31EGCT		
	1100		31EEDT	31EGDT		
	1300		31EEET	31EGET		

Aluminium window units anodised finish

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Anodised Aluminium DOUBLE GLAZED complete with HERMETICALLY SEALED GLASS

type	height	width				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300 600 900 1100 1300 1600 1900	31ADAQ 31ADBQ 31ADCQ 31ADDQ 31ADEQ	31AEAQ 31AEBQ 31AECQ 31AEDQ 31AEEQ	31AGAQ 31AGBQ 31AGCQ 31AGDQ 31AGEQ	31AHAQ 31AHBQ 31AHCQ 31AHDQ 31AHEQ	31AIAQ 31AIBQ
Top hung	300 600 900 1100	31BDAQ 31BDBQ 31BDCQ	31BEAQ 31BEBQ 31BECQ 31BEDQ	31BGAQ 31BGBQ		
Side hung left hand	900 1100 1300	31VDCQ 31VDDQ 31VDEQ				
Side hung right hand	900 1100 1300	31CDCQ 31CDDQ 31CDEQ			NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz., 31EEDK (LH) 31EGDK (RH)	
Horizontal centre hung	600 900 1100 1300	31DDBQ	31DEBQ 31DECQ 31DEDQ 31DEEQ	31DGBQ 31DGCQ 31DGDQ 31DGEQ		
Vertical pivot hung	900 1100 1300		31EEDQ 31EEEQ	31EGCQ 31EGDQ 31EGEQ		
Vertical sliding	900 1100 1300 1600 1900	31FDEQ	31FECQ 31FEDQ 31FEEQ 31FEYQ 31FEZQ	31FGLQ 31FGDQ 31FGEQ 31GYQ 31FGZQ		
Horizontal sliding	900 1300			31JGCQ 31JGEQ		31JICQ 31JIEQ

33 Aluminium composite infill units anodised finish

Anodised Aluminium SINGLE GLAZED units complete with centre light in clear glass and fanlight in ANTI-GLARE GLASS					
type	**width**	**height**			
		2400		**2700**	
Solid Unit	300 600 900 1200	2IBCEA 2IBDEA 2IBEEA 2IBGEA		2IBCGA 2IBDGA 2IBEGA 2IBGGA	
Solid unit with fixed fanlight 2100 mm cill height	900 1200	3IGEMQ 3IGGMQ		3IGEVQ 3IGGVQ	
Solid unit with top hung fanlight 2100 mm cill height	900 1200	3INEMQ 3INGMQ		3IGEVQ 3INGVQ	
Glazed unit with fixed fanlight 300 mm cill height	900 1200	3IHELQ 3IHGLQ		3IHEUQ 3IHGUQ	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	3IHEPQ 3IHGPQ	3IHENQ 3IHGNQ	3IHEXQ 3IHGXQ	3IHEWQ 3IHGWQ
Top hung fanlight fixed centre light	900 1200	3IPEPQ 3IPGPQ	3IPENQ 3IPGNQ	3IPEXQ 3IPGXQ	3IPEWQ 3IPGWQ
Fixed fanlight top hung centre light	900 1200		3I IENQ		3I IEWQ
Top hung fanlight top hung centre light	900 1200		3IQENQ		3IQEWQ
Fixed fanlight HCH centre light	900 1200	3IKEPQ 3IKGPQ	3IKENQ 3IKGNQ	3IKEXQ 3IKGXQ	3IKEWQ 3IKGWQ
Top hung fanlight HCH centre light	900 1200	3ISEPQ 3ISGPQ	3ISENQ 3ISGNQ	3ISEXQ 3ISGXQ	3ISEWQ 3ISGWQ
Fixed fanlight . Vertical sliding centre light .	900 1200	3IMEPQ 3IMGPQ	3IMENQ 3IMGHQ	3IMEXQ 3IMGXQ	3IMEWQ 3IMGWQ
Top hung fanlight . Vertical sliding centre light	900 1200	3IUEPQ 3IUGPQ	3IUENQ 3IUGNQ	3IUEXQ 3IUGXQ	3IUEWQ 3IUGWQ
Fixed fanlight . Horizontal sliding centre light	1200	3IJGPQ	3IJGNQ	3IJGXQ	3IJGWQ

Aluminium composite infill units anodised finish

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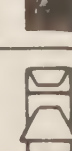
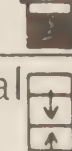
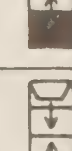
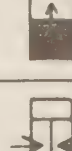
Anodised Aluminium SINGLE GLAZED units complete with centre light in clear glass and fanlight in ANTI GLARE GLASS

type	width	height			
		2400		2700	
Solid unit					
Solid unit with fixed fanlight 2100mm cill height.	900 1200	3IGEMU 3IGGMU		3IGEVU 3IGGVU	
Solid unit with top hung fanlight 2100mm cill height	900 1200	3INEMU 3INGMU		3INEVU 3INGVU	
Glazed unit with fixed fanlight 300mm cill height	900 1200	3IHELU 3IHGLU		3IHEUU 3IHGUU	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	3IHEPU 3IHGPU	3IHENU 3IHGNU	3IHEXU 3IHGXU	3IHEWU 3IHGWU
Top hung fanlight fixed centre light	900 1200	3IPEPU 3IPGPU	3IPENU 3IPGNU	3IPEXU 3IPGXU	3IPEWU 3IPGWU
Fixed fanlight top hung centre light	900 1200		3IIENU		3IIEWU
Top hung fanlight top hung centre light	900 1200		3IQENU		3IQEWU
Fixed fanlight HCH centre light	900 1200	3IKEPU 3IKGPU	3IKENU 3IKGNU	3IKEXU 3IKGXU	3IKEWU 3IKGWU
Top hung fanlight HCH centre light	900 1200	3ISEPU 3ISGPU	3ISENU 3ISGNU	3ISEXU 3ISGXU	3ISEWU 3ISGWU
Fixed fanlight . Vertical sliding centre light .	900 1200	3IMEPU 3IMGPU	3IMENU 3IMGNU	3IMEXU 3IMGXU	3IMEWU 3IMGWU
Top hung fanlight . Vertical sliding centre light	900 1200	3IUEPU 3IUGPU	3IUENU 3IUGNU	3IUEXU 3IUGXU	3IUEWU 3IUGWU
Fixed fanlight . Horizontal sliding centre light	1200	3IJGPU	3IJGNU	3IJGXU	3IJGWU

35 Aluminium composite infill units anodised finish

Anodised Aluminium complete with HERMETICALLY SEALED DOUBLE GLAZING					
type	width	height			
		2400		2700	
Solid Unit	300 600 900 1200				
Solid unit with fixed fanlight 2100mm cill height	900 1200	3IGEMS 3INGMS		3IGEVS 3INGVS	
Solid unit with top lung fanlight 2100mm cill height	900 1200	3INEMS 3INGMS		3INEVS 3INGVS	
Glazed unit with fixed fanlight 300mm cill height	900 1200	3IHELS 3IHGLS		3IHEUS 3IHGUS	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	3IHEPS 3IHGPS	3IHEXS 3IHGNS	3IHEXS 3IHGXS	3IHEWS 3IHGWS
Top hung fanlight fixed centre light	900 1200	3IPEPS 3IPGPS	3IPENS 3IPGNS	3IPEXS 3IPGXS	3IPEWS 3IPGWS
Fixed fanlight top hung centre light	900		3IIENS		3IIEWS
Top hung fanlight top hung centre light	900		3IQENS		3IQEWS
Fixed fanlight HCH centre light	900 1200	3IKEPS 3IKGPS	3IKENS 3IKGNS	3IKEXS 3IKGXS	3IKEWS 3IKGWS
Top hung fanlight HCH centre light 	900 1200	3ISEPS 3ISGPS	3ISENS 3ISGNS	3ISEXS 3ISGXS	3ISEWS 3ISGWS
Fixed fanlight . Vertical sliding centre light 	900 1200	3IMEPS 3IMGPS	3IMENS 3IMGWS	3IMEXS 3IMGXS	3IMEWS 3IMGWS
Top lung fanlight . Vertical sliding centre light 	900 1200	3IUEPS 3IUGPS	3IUENS 3IUGNS	3IUEXS 3IUGXS	3IUEWS 3IUGWS
Fixed fanlight . Horizontal sliding centre light 	1200	3IJGPS	3IJGNS	3IJGXS	3IJGWS

Aluminium window units acrylic finish

36

Acrylic finish Aluminium SINGLE GLAZED window units complete with clear glass

type	height	width				
		600 mm	900 mm	1200 mm	1500 mm	1800 mm
Fixed light	300 600 900 1100 1300	31ADAV 31ADBV 31ADCV 31ADDV 31ADEV	31AEAV 31AEBV 31AECV 31AEDV 31AGEV	31AGAV 31AGBV 31AECV 31AGDV 31AGEV	31AHAV 31AHBV 31ANCV 31ANDV 31AHEV	31AIAV 31AIBV
Top hung	300 600 900 1100	31BDAV 31BDBV	31BEAV 31BEBV	31BGAV 31BGBV		
Side hung left hand	900 1100 1300	31VDCV 31VDDV 31VDEV				
Side hung right hand	900 1100 1300	31CDCV 31CDDV 31CDEV				
Horizontal centre hung	600 900 1100 1300	31DDBV	31BEBV 31DECV 31DEDV 31DEEV	31DGBV 31DGCV 31DGDV 31DGEV		
Vertical pivot hung	900 1100 1300		31EEDV 31EEEV	31EGCV 31EGDV 31EGEV		
Vertical sliding	900 1100 1300 1600 1900	31FDEV	31FECV 31FEDV 31FEEV 31FEYV 31FEZV	31FGCV 31FGDV 31FGEV 31FGYV 31FGZV		
Horizontal sliding	900 1300			31LGCV 31LGEV		31LICV 31LIEV

NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz.,

31EEDK (L.H.)
31EDGK (R.H.)

37 Aluminium window units acrylic finish

Acrylic finish Aluminium window units with ANTI-GLARE GLASS.						
type	**height**	**width**				
		600mm	900mm	1200mm	1500mm	1800mm
Fixed light	300	31ADAW	31AEAW	31AGAW	31AHAW	31AIAW
	600	31ADBW	31AEBW	31AGBW	31AHBW	31AIBW
Top hung	300	31BDAW	31BEAW	31BGAW		
	600	31BDBW	31BEBW	31BGBW		

Acrylic finish Aluminium DOUBLE GLAZED units with VENETIAN BLINDS.						
Fixed light	900		31AECY	31AGCY	31AHCY	
	1100		31AEDY	31AGDY	31AHDY	
	1300		31AEEY	31AGEY	31AHEY	
Horizontal centre hung	900		31DECY	31DGCY	NOTE: Vertical pivot hung windows are available left or right hand. The handing should be shown outside the code, viz., 31EEDN(RH) 31EGDN(LH)	
	1100		31DEDY	31DGDY		
	1300		31DEEY	31DGEY		
Vertical pivot hung	900			31EGCY		
	1100		31EEDY	31EGDY		
	1300		31EEEY	31EGEY		

Aluminium window units acrylic finish

Acrylic finish Aluminium DOUBLE GLAZED window units complete with HERMETICALLY SEALED GLASS

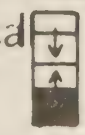
type	height	width				
		600 mm	900 mm	1200 mm	1500 mm	1800 mm
fixed light	300	3IADAZ	3IAEAX	3IAGAX	3IAHAX	3IAIAX
	600	3IADBX	3IAEBX	3IAGBX	3IAHBX	3IAIBX
	900	3IADCX	3IAECX	3IAGCX	3IAHCX	
	1100	3IADDX	3IAEDX	3IAGDX	3IAHDX	
	1300	3IADEX	3IAEEX	3IAGEX	3IAHEX	
Top hung	300	3IBDAX	3IBEAX	3IBGAX		
	600	3IBDBX	3IBEBX	3IBGBX		
	900	3IBDCX	3IBECX			
	1100		3IBEDX			
Side hung left hand	900	3IVDCX				
	1100	3IVDDX				
	1120	3IVDEX				
Side hung right hand	900	3ICDCX				
	1100	3ICDDX				
	1300	3ICDEX				
Horizontal centre hung	600	3IDDBX	3IDEBX	3IDGBX		
	900		3IDECX	3IDGCX		
	1100		3IDEDX	3IDGDX		
	1300		3IDEEX	3IDGEX		
Vertical pivot hung	900			3IEGCX		
	1100		3IEEDX	3IEGDX		
	1300		3IEEEX	3IEGEX		
Vertical sliding	900		3IFECX	3IFGCX		
	1100		3IFEDX	3IFGDX		
	1300	3IFDEX	3IFEEX	3IFGEX		
	1600		3IFEYX	3IFGYX		
	1900		3IFEZX	3IFGZX		
Horizontal sliding	900					
	1300					

NOTE: Vertical pivot hung windows are available left or right hand. The handling should be shown outside the code, viz.,

3IEEDK (LH)
3IEGDK (RH)

39 Aluminium composite infill units acrylic finish

Acrylic finish Aluminium SOLID and SINGLE GLAZED complete with clear glass

type	width	height			
		2400		2700	
Solid Unit	300 600 900 1200	21BCED 21BDED 21BEED 21BGED		21BCGD 21BDGD 21BEGD 21BGGD	
Solid unit with fixed fanlight 2100mm cill height	900 1200	31GEMV 31GGMV		31GEVV 31GGVV	
Solid unit with top hung fanlight 2100mm cill height	900 1200	31NEMV 31NGMV		31NEVV 31NGVV	
Glazed unit with fixed fanlight 300mm cill height	900 1200	31HELV 31HGLV		31HEUV 31HGUV	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	31HEPV 31HGPV	31HENV 31HGNV	31HEXV 31HGXV	31HEWV 31HGWV
Top hung fanlight fixed centre light	900 1200	31PEPV 31PGPV	31PENV 31PGNV	31PEXV 31PGXV	31PEWV 31PGWV
Fixed fanlight top hung centre light	900 1200		311ENV		311EWV
Top hung fanlight top hung centre light	900 1200		31QENV		31QEWV
Fixed fanlight HCH centre light	900 1200	31KEPV 31KGNV	31KENV 31KGNV	31KEXV 31KGXV	31KEWV 31KGWV
Top hung fanlight HCH centre light	900 1200	31SEPV 31SGPV	31SENV 31SGNV	31SEXV 31SGXV	31SEWV 31SGWV
Fixed fanlight. Vertical sliding centre light 	900 1200	31MEPV 31MGPV	31MENV 31MGNV	31MEXV 31MGXV	31MEWV 31MGWV
Top hung fanlight. Vertical sliding centre light	900 1200	31UEPV 31UGPV	31UEXV 31UGXV	31UEXV 31UGXV	31UEWV 31UGWV
Fixed fanlight. Horizontal sliding centre light.	1200	31JGPV	31JGNV	31JGXV	31JGWV

Aluminium composite infill units acrylic finish

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Acrylic finish Aluminium SINGLE GLAZED units comple with centre light in clear glass and fanlight in ANTI-GLARE GLASS

type	width	height			
		2400		2700	
Solid unit	300 600 900 1200				
Solid unit with fixed fanlight 2100 mm cill height.	900 1200	3IGEMZ 3IGGMZ		3IGEVZ 3IGGVZ	
Solid unit with top hung fanlight 2100mm cill height	900 1200	3INEMZ 3INGMZ		3INEVZ 3INGVZ	
Glazed unit with fixed fanlight 300mm cill height	900 1200	3IHELZ 3IHGLZ		3IHEUZ 3IHGUZ	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	3IHEPZ 3IHGPZ	3IHENZ 3IHGNZ	3IHEXZ 3IHGXZ	3IHEWZ 3IHGWZ
Top hung fanlight fixed centre light	900 1200	3IPEPZ 3IPGPZ	3IPENZ 3IPGNZ	3IPEXZ 3IPGXZ	3IPEWZ 3IPGWZ
Fixed fanlight top hung centre light	900 1200		3I IENZ		3I IEWZ
Top hung fanlight top hung centre light	900		3IQENZ		3IQEWZ
Fixed fanlight HCH centre light	900 1200	3IKEPZ 3IKGPZ	3IKENZ 3IKGNZ	3IKEXZ 3IKGXZ	3IKEWZ 3IKGWZ
Top hung fanlight HCH centre light	900 1200	3ISEPZ 3ISGPZ	3ISENZ 3ISGNZ	3ISEXZ 3ISGXZ	3ISEWZ 3ISGWZ
Fixed fanlight . Vertical sliding centre light	900 1200	3IMEPZ 3IMGPZ	3IMENZ 3IMGNX	3IMEXZ 3IMGXZ	3IMEWZ 3IMGWZ
Top hung fanlight . Vertical sliding centre light	900 1200	3IUEPZ 3IUGPZ	3IUENZ 3IUGNZ	3IUEXZ 3IUGXZ	3IUEWZ 3IUGWZ
Fixed fanlight . Horizontal sliding centre light	1200	3IJGPZ	3IJGNZ	3IJGXZ	3IJGWZ

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Aluminium composite infill units acrylic finish

Acrylic finish Aluminium complete with HERMETICALLY SEALED DOUBLE GLAZING					
type	**width**	**height**			
		2400		**2700**	
Solid unit	300 600 900 1200				
Solid unit with fixed fanlight 2100mm cill height	900 1200	3IGEMX 3IGGMX		3IGEVX 3IGGVX	
Solid unit with top hung fanlight 2100mm cill height	900 1200	3INEMX 3INGMX		3INEVX 3INGVX	
Glazed unit with fixed fanlight 300mm cill height	900 1200	3IHELX 3IHGLX		3IHEUX 3IHGUX	
		800 cills	1200 cills	800 cills	1200 cills
Fixed fanlight fixed centre light	900 1200	3IHEPX 3IHGPX	3IHENX 3IHGNX	3IHEXX 3IHGXX	3IHEWX 3IHGWZ
Top hung fanlight fixed centre light	900 1200	3IPEPX 3IPGPX	3IPENX 3IPGNX	3IPEXX 3IPGXX	3IPEWX 3IPGWX
Fixed fanlight top hung centre light	900 1200		3I IENX		3I IEWX
Top hung fanlight top hung centre light	900 1200		3IQENX		3IQEWX
Fixed fanlight HCH centre light	900 1200	3IKEPX 3IKGPX	3IKENX 3IKGNX	3IKEXX 3IKGXX	3IKEWX 3IKGWX
Top hung fanlight HCH centre light	900 1200	3ISEPX 3ISGPX	3ISENX 3ISGNX	3ISEXX 3ISGXX	3ISEWX 3ISGWX
Fixed fanlight . Vertical sliding centre light	900 1200	3IMEPX 3IMGPX	3IMENX 3IMGNX	3IMEXX 3IMGXX	3IMEWX 3IMGWX
Top hung fanlight . Vertical sliding centre light	900 1200	3IUEPX 3IUGPX	3IUENX 3IUGNX	3IUEXX 3IUGXX	3IUEWX 3IUGWX
Fixed fanlight Horizontal sliding centre light .	1200	3IJGPX	3IJGNX	3IJGXX	3IJGWX

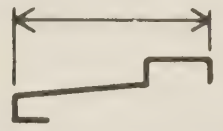
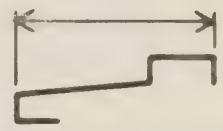
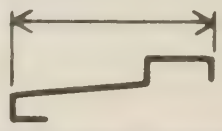
Range external doors and side lights

Aluminium doors and side lights include glazing
Steel doors and side light exclude glazing

doors			codes related to Door types				
Size, material and finish		Hand	Hinged doors		Single action swing door		Double action swing door
			open in	open out	open in	open out	
900mm wide x 200mm high steel single door		LH RH	31XEGE	31XEGE	31XEGE	31XEGE	31YEGE
1800mm wide x 2100mm high steel double door		-	31X IGE	31XIGE	31XIGE	31XIGE	31YIGE
900mm wide x 2100 mm high Aluminium single door	Mill finish	LH RH	31XEGI	31XEGI	31XEGI	31XEGI	31YEGI
	Anodised	LH RH	31XEGM	31SEGM	31XEGM	31XEGM	31YEGM
	Acrylic	LH RH	31SEGR	31XEGR	31XEGR	31XEGR	31YEGR
1800 mm wide x 1200mm high Aluminium double doors	Mill finish	-	31XIGI	31XIGI	31XIGI	31XIGI	31YIGI
	Anodised	-	31XIGM	31XIGM	31XIGM	31XIGM	31YIGM
	Acrylic	-	31XIGR	31XIGR	31XIGR	31XIGR	31YIGR

State after code whether door opens in or out

glazed side lights size	codes for side light				
	Steel	Aluminium			
		Mill finish	Anodised	Acrylic	
900mm wide x 2100 mm high	31WEGE	31WEGI	31WEGM	31WEGR	
1200mm wide x 2100mm high	31WGGE	31WGGI	31WGGM	31WGGR	

cills (for use with Steel and Aluminium units).		CODES		
length	finish			
100mm	Mill Anodised Acrylic	31RAAD 31RAAB 31RAAC	31RBAD 31RBAB 31RBAC	31RCAD 31RCAB 31RCAC
200mm	Mill Anodised Acrylic	31RABD 31RABB 31RABC	31RBBD 31RBBB 31RBBC	31RCBD 31RCBB 31RCBC
300mm	Mill Anodised Acrylic	31RACD 31RACB 31RACC	31RBCD 31RBCB 31RBCC	31RCCD 31RCCB 31RCCC
600mm	Mill Anodised Acrylic	31RADD 31RADB 31RADC	31RBDD 31RBDB 31RBDC	31RCDD 31RCDB 31RCDC
900mm	Mill Anodised Acrylic	31RAED 31RAEB 31RAEC	31RBED 31RBEB 31RBEC	31RCED 31RCEB 31RCEC
1200mm	Mill Anodised Acrylic	31RAFD 31RAFB 31RAFC	31RBFD 31RBFB 31RBFC	31RCFD 31RCFB 31RCFC
1500mm	Mill Anodised Acrylic	31RAGD 31RAGB 31RAGC	31RBGD 31RBGB 31RBGC	31RCGD 31RCGB 31RCGC
1800mm	Mill Anodised Acrylic	31RAHD 31RAHB 31RAHC	31RBHD 31RBHB 31RBHC	31RCHD 31RCHB 31RCHC
2100mm	Mill Anodised Acrylic	31RAID 31RAIB 31RAIC	31RBID 31RBIB 31RBIC	31RCID 31RCIB 31RCIC
2400mm	Mill Anodised Acrylic	31RAJD 31RAJB 31RAJC	31RBJD 31RBJB 31RBJC	31RCJD 31RCJB 31RCJC
2700mm	Mill Anodised Acrylic	31RAKD 31RAKB 31RAKC	31RBKD 31RBKB 31RBKC	31RCKD 31RCKB 31RCKC
3000mm	Mill Anodised Acrylic	31RALD 31RALB 31RALC	31RBLD 31RBLB 31RBLC	31RCLD 31RCLB 31RCLC

Range mullions

mullions			codes		
height	material and finish		light	medium	heavy
300mm	Galvanised Steel		3IRMAA	3IRMAE	3IRMAI
	Aluminium	Mill	3IRMAD	3IRMAH	3IRMAL
		Anodised	3IRMAB	3IRMAF	3IRMAJ
		Acrylic	3IRMAC	3IRMAG	3IRMAK
600mm	Galvanised Steel		3IRMBA	3IRMBE	3IRMBI
	Aluminium	Mill	3IRMBD	3IRMBH	3IRMBL
		Anodised	3IRMBB	3IRMBF	3IRMBJ
		Acrylic	3IRMBC	3IRMBG	3IRMBK
900mm	Galvanised Steel		3IRMCA	3IRMCE	3IRMCI
	Aluminium	Mill	3IRMCD	3IRMCH	3IRMCL
		Anodised	3IRMCB	3IRMCF	3IRMCJ
		Acrylic	3IRMCC	3IRMCG	3IRMCK
1100mm	Galvanised Steel		3IRMDA	3IRMDE	3IRMDI
	Aluminium	Mill	3IRMDD	3IRMDH	3IRMDL
		Anodised	3IRMDB	3IRMDF	3IRMDJ
		Acrylic	3IRMDC	3IRMDG	3IRMDK
1200mm	Galvanised Steel		3IRMEA	3IRMEE	3IRMEI
	Aluminium	Mill	3IRMED	3IRMEH	3IRMEL
		Anodised	3IRMEB	3IRMEF	3IRMEJ
		Acrylic	3IRMEC	3IRMEG	3IRMEK
1300mm	Galvanised Steel		3IRMFA	3IRMFE	3IRMFI
	Aluminium	Mill	3IRMFD	3IRMFH	3IRMFL
		Anodised	3IRMFB	3IRMFF	3IRMFJ
		Acrylic	3IRMFC	3IRMFG	3IRMFK
1400mm	Galvanised Steel		3IRMGA	3IRMGE	3IRMGI
	Aluminium	Mill	3IRMGD	3IRMGH	3IRMGL
		Anodised	3IRMGB	3IRMGF	3IRMGJ
		Acrylic	3IRMGC	3IRMGG	3IRMGK

mullions			codes		
height	material and finish		light	medium	heavy
1500mm	Galvanised steel		31RMHA	31RMHE	
	Aluminium	Mill	31RMHD	31RMHH	31RMHL
		Anodised	31RMHB	31RMHF	31RMHJ
		Acrylic	31RMHC	31RMHG	31RMHK
1600mm	Galvanised steel		31RMIA	31RMIE	
	Aluminium	Mill	31RMID	31RMIH	31RMIL
		Anodised	31RMIB	31RMIF	31RMIJ
		Acrylic	31RMIC	31RMIG	31RMIK
1700mm	Galvanised steel		31RMJA	31RMJE	
	Aluminium	Mill	31RMJD	31RMJH	31RMJL
		Anodised	31RMJB	31RMJF	31RMJJ
		Acrylic	31RMJC	31RMJG	31RMJK
1900mm	Galvanised steel		31RMKA	31RMKE	
	Aluminium	Mill	31RMKD	31RMKH	31RMKL
		Anodised	31RMKB	31RMKF	31RMKJ
		Acrylic	31RMKC	31RMKG	31RMKK
2100mm	Galvanised steel		31RMLA	31RMLE	
	Aluminium	Mill	31RMLD	31RMLH	31RMLL
		Anodised	31RMLB	31RMLF	31RMLJ
		Acrylic	31RMLC	31RMLG	31RMLK
2400mm	Galvanised steel		31RMMA	31RMME	
	Aluminium	Mill	31RMMD	31RMMH	31RMML
		Anodised	31RMMB	31RMMF	31RMMJ
		Acrylic	31RMMC	31RMMG	31RMMK
2700mm	Galvanised steel		31RMNA	31RMNE	
	Aluminium	Mill	31RMND	31RMNH	31RMNL
		Anodised	31RMNB	31RMNF	31RMNJ
		Acrylic	31RMNC	31RMNG	31RMNK

Range
filler pieces

filler pieces			codes		
height	material and finish		100	200	300
300mm	Galvanised steel		31ZAAA	31ZBAA	31ZCAA
	Aluminium	Mill Anodised Acrylic	31ZAAD 31ZAAB 31ZAAC	31ZBAD 31ZBAB 31ZBAC	31ZCAD 31ZCAB 31ZCAC
600mm	Galvanised steel		31ZABA	31ZBBA	31ZCBA
	Aluminium	Mill Anodised Acrylic	31ZABD 31ZABB 31ZABC	31ZBBD 31ZBBB 31ZBBC	31ZCBD 31ZCBB 31ZCBC
900mm	Galvanised steel		31ZACA	31ZBCA	31ZCCA
	Aluminium	Mill Anodised Acrylic	31ZACD 31ZACB 31ZACC	31ZBCD 31ZBCB 31ZBCC	31ZCCD 31ZCCB 31ZCCC
1100mm	Galvanised steel		31ZADA	31ZBDA	31ZCDA
	Aluminium	Mill Anodised Acrylic	31ZADD 31ZADB 31ZADC	31ZBDD 31ZBDB 31ZBDC	31ZCDD 31ZCDB 31ZCDC
1200mm	Galvanised steel		31ZAEA	31ZBEA	31ZCEA
	Aluminium	Mill Anodised Acrylic	31ZAED 31ZAEB 31ZAEC	31ZBED 31ZBEB 31ZBEC	31ZCED 31ZCED 31ZCEC
1300mm	Galvanised steel		31ZAFA	31ZBFA	31ZCFA
	Aluminium	Mill Anodised Acrylic	31ZAFD 31ZAFB 31ZAFC	31ZBFD 31ZBFB 31ZBFC	31ZCFD 31ZCFB 31ZCFC
1400mm	Galvanised steel		31ZAGA	31ZBGA	31ZCGA
	Aluminium	Mill Anodised Acrylic	31ZAGD 31ZAGB 31ZAGC	31ZBGD 31ZBGB 31ZBGC	31ZCGD 31ZCGB 31ZCGC

Range filler pieces

filler pieces			codes		
height	material and finish		100	200	300
1500mm	Galvanised steel		31ZAHA	31ZBHA	31ZCHA
	Aluminium	Mill Anodised Acrylic	31ZAHD 31ZAHB 31ZAHC	31ZBHD 31ZBHB 31ZBHC	31ZCHD 31ZCHB 31ZCHC
1600mm	Galvanised steel		31ZAIA	31ZBIA	31ZCIA
	Aluminium	Mill Anodised Acrylic	31ZAID 31ZAIB 31ZAIC	31ZBID 31ZBIB 31ZBIC	31ZCID 31ZCIB 31ZCIC
1700mm	Galvanised steel		31ZAJA	31ZBJA	31ZCJA
	Aluminium	Mill Anodised Acrylic	31ZAJD 31ZAJB 31ZAJC	31ZBJD 31ZBJB 31ZBJC	31ZCJD 31ZCJB 31ZCJC
1900mm	Galvanised steel		31ZALA	31ZBLA	31ZCLA
	Aluminium	Mill Anodised Acrylic	31ZALD 31ZALB 31ZALC	31ZBLD 31ZBLB 31ZBLC	31ZCLD 31ZCLB 31ZCLC
2100mm	Galvanised steel		31ZANA	31ZBNA	31ZCNA
	Aluminium	Mill Anodised Acrylic	31ZAND 31ZANB 31ZANC	31ZBND 31ZBNB 31ZBNC	31ZCND 31ZCNB 31ZCNC
2400mm	Galvanised steel		31ZAPA	31ZBPA	31ZCPA
	Aluminium	Mill Anodised Acrylic	31ZAPD 31ZAPB 31ZAPC	31ZBPD 31ZBPB 31ZBPC	31ZCPD 31ZCPB 31ZCPC
2700mm	Galvanised steel		31ZAQA	31ZBQA	31ZCQA
	Aluminium	Mill Anodised Acrylic	31ZAQD 31ZAQB 31ZAQC	31ZBQD 31ZBQB 31ZBQC	31ZCQD 31ZCQB 31ZCQC

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To find a coded window and composite infill units, etc., in the previous pages use the index below. Columns 1, 2, 3 and 4 uses the third, fourth, fifth and sixth letter of the code respectively. For example, to find 31BEDF window unit, locate B in column 1, E (relative to B) in column 2, D (relative to E) in column 3, F (relative to D) in column 4 and read across the page number (18) in the last column.

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Windows and infill panels